

Projections of TBNRD Streamflow Depletions and Imported Water Supply Credit

Figures A and B show a range of possible outcomes for the imported water supply credit and streamflow depletions for Tri-Basin Natural Resources District (TBNRD), projected forward from 2023 (dotted black line) based upon different potential hydrologic conditions. Figure A represents a drier climate cycle, and Figure B represents more climate variation. Figure C shows net accretion for both modeled projections.

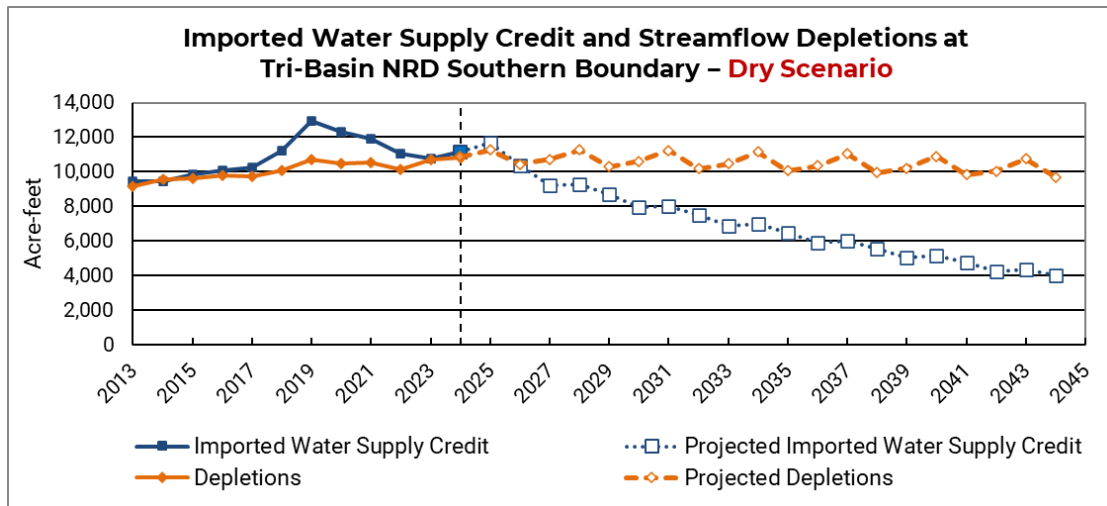


Figure A. Imported water supply credit and groundwater depletions to streamflow (af) at the TBNRD Southern Boundary. Data from 2011-2013 were projected forward from 2024 to represent a potential outcome under a drier climate cycle.

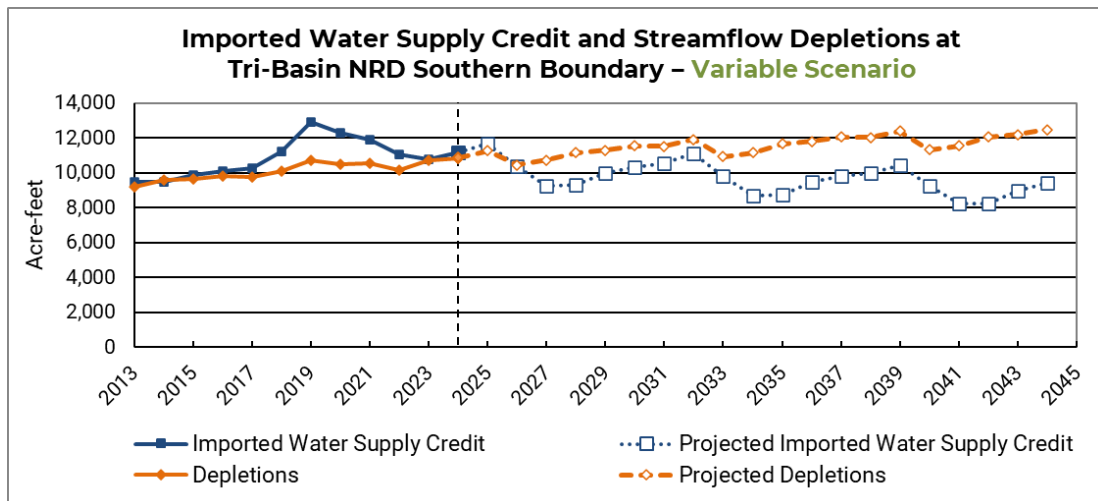


Figure B. Imported water supply credit and groundwater depletions to streamflow (af) at the TBNRD Southern Boundary. Data from 2011-2017 were projected forward from 2024 to represent a potential outcome under a variable climate cycle.

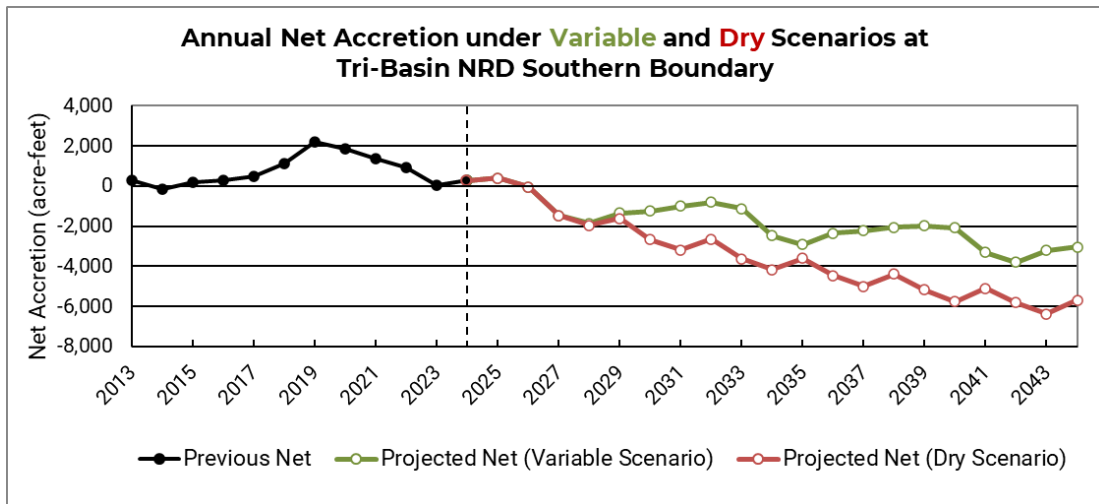


Figure C. Projected net accretion (af) under variable and dry scenarios at the TBNRD Southern Boundary, calculated as the imported water supply credit minus depletions for each of the two scenarios depicted in Figures A and B. The dry and variable projections are described in the captions for Figures A and B.